



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303-8960

January 25, 2018

(b)(6)

SUBJ: EPA Asbestos Removal at 302 Sloan Street

Dear (b)(6):

Enclosed, you will find the Removal Action Status Report for the property located at 302 Sloan Street in Davidson, North Carolina. The report summarizes information regarding the original asbestos sampling, a description of the Removal Action conducted on the property, a summary of multimedia sampling results, details on the restoration of the property and the timeframe of the Removal Action. We have also included a figure of the removal area and the air sampling locations, a table of the air sampling results and photographs of the removal activities.

The removal activities have been completed and there are no further actions needed on the above-mentioned property. If you have any questions or need further information, please do not hesitate to contact Jordan Garrard, US EPA, Federal On-Scene Coordinator directly at (678) 644-8648, via email: garrard.jordan@epa.gov or myself directly at (678) 575-8132, via email: miller.angela@epa.gov, at any time.

It was such a pleasure working with you and your community. Thank you for your cooperation and patience throughout the removal activities.

Sincerely,

A handwritten signature in black ink, appearing to read "Angela R. Miller", is written over a horizontal line.

Angela R. Miller, US EPA
Community Involvement Coordinator

Enclosure(s)

cc: Jordan Garrard, US EPA, Federal On-Scene Coordinator
Miguel Alvalle, NC DEQ

REMOVAL ACTION STATUS REPORT DAVIDSON ASBESTOS

Property Address: 302 Sloan Street, Davidson, Mecklenburg County, North Carolina

Original Asbestos Sampling Information: Surface soil samples were collected at a depth of 0 to 3 inches below ground surface (bgs) and subsurface soil samples were collected at a depth of 3 to 6 inches bgs. Analytical results are reported in increments of 0.25 percent asbestos. Those samples with analytical results reported as “trace” (less than 0.25 percent asbestos) were further analyzed by fluidized bed analysis and reported in soil concentrations of phase contrast microcopy equivalent (PCME) structures per gram (s/g) of soil.

Property Address	Area Sampled	Surface Soil Results (percent asbestos) 0-3 inches deep	Subsurface Soil Results (percent asbestos) 3-6 inches deep
302 Sloan Street	Around House	No Asbestos Detected	No Asbestos Detected
	Corner of Depot and Sloan	0.25	No Asbestos Detected

Description of Removal Action: The soil was excavated to an approximate maximum depth in the following areas: southern lawn between Sloan Street, Depot Street and eastern fence to 12 inches; and walkway between southern side of residence and retaining wall, along eastern wall, and tree line and utility pole to 3 inches (See Appendix 1). Visual inspections of the areas excavated for asbestos-containing materials (ACM) were conducted by a State of North Carolina-accredited asbestos inspector and air monitor. Additional removal was conducted in those areas where ACM were still visibly present. Once ACM was no longer visibly present, restoration of the excavated areas was allowed to commence.

Summary of Multimedia Sampling Results: Perimeter air sampling was conducted at three stationary locations during removal activities on June 6, 2017. Air sampling locations were selected based on wind direction and removal activities. Air sampling was not conducted on June 5, 2017, because of rain. The analytical results were less than the limit of detection and ranged from less than 0.00019 fibers per cubic centimeter (f/cc) to less than 0.00085 f/cc (See Appendix 2). A 12-point composite soil sample was collected from the excavated areas before restoration began, and the analytical result indicated no asbestos detected.

Perimeter air and composite soil samples were collected by a State of North Carolina-accredited air monitor with oversight from a State of North Carolina-accredited supervising air monitor (SAM).

Restoration of Property: Restoration work included installation of snow fencing on top of the subsurface of the excavated area, backfill, topsoil, and sod in the excavated southern lawn, and topsoil and sod between the southern side of the residence and the wall. All areas were restored to the original height of the surrounding grade.

Time Frame of Removal Action: Removal activities began on June 5, 2017, and were completed on June 6, 2017.

REMOVAL ACTION STATUS REPORT DAVIDSON ASBESTOS

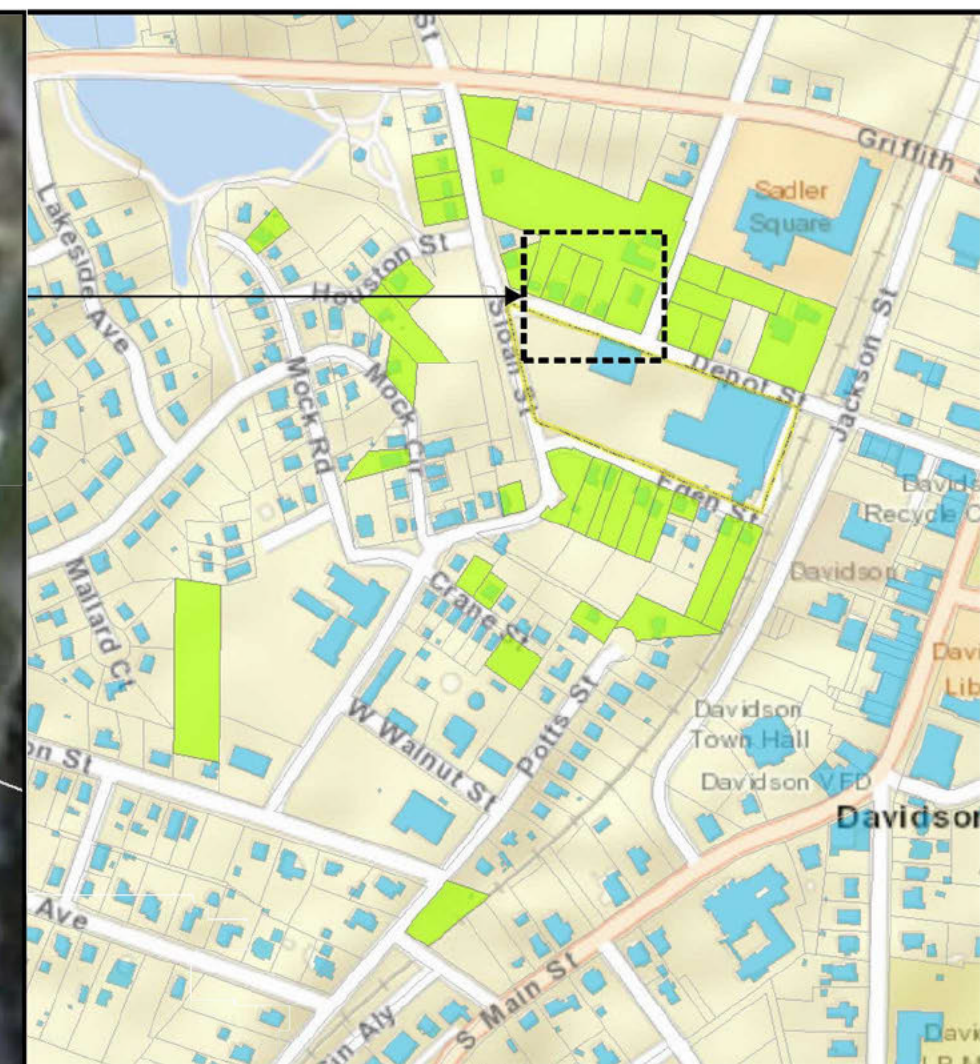
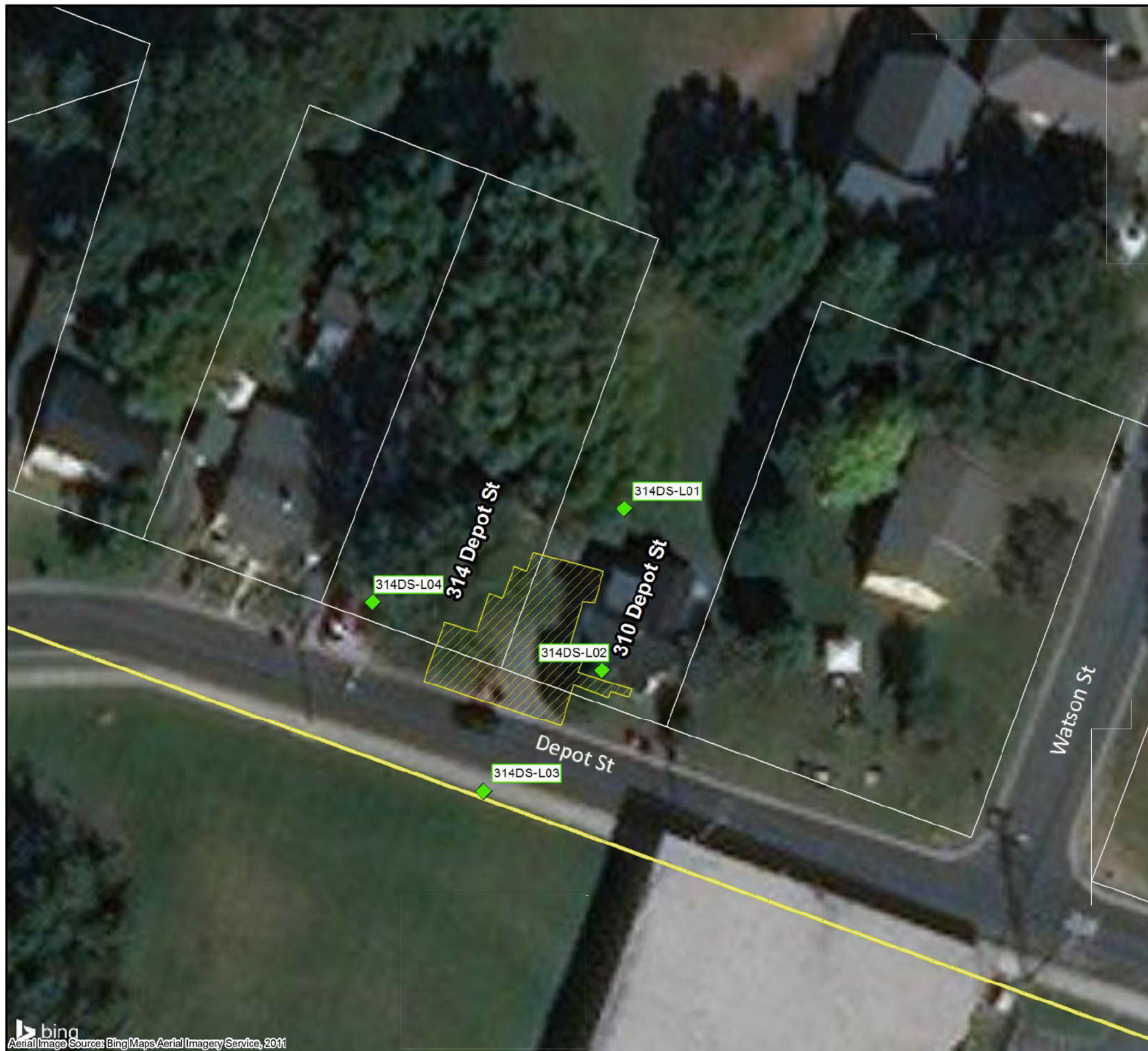
Appendices to this report include:

1. Figure of removal area and air sampling locations
2. Table of air sampling results
3. Photographic log of removal activities

APPENDIX 1

FIGURE

(One Page)



Legend

- Air Sample
- Removal Area
- Parcel Boundary
- Approximate Site Boundary

Inset Map

- Parcels with Removal Activities
- Building/Structure



0 25 50
Feet

Map Sources:
Aerial Imagery, Bing Maps, 2012-2014;
Parcels, <http://maps.co.mecklenburg.nc.us>



United States
Environmental Protection Agency
Region 4

FIGURE 1

Removal Areas and
Air Sampling Locations

TDD Name: Davidson Asbestos

TDD No.: TT-01-071

City: Davidson County: Mecklenburg State: North Carolina



Date:
9/21/2017
Analyst:
dale.vonbusch

310 & 314 Depot Street

APPENDIX 2

SUMMARY TABLE OF ANALYTICAL RESULTS

(One Page)

TABLE 1
TRANSMISSION ELECTRON MICROSCOPY RESULTS
DAVIDSON ASBESTOS
DAVIDSON, MECKLENBURG COUNTY, NORTH CAROLINA

Sample Id	Location	T	Pump No.	Time Start	Time Stop	Total (Min)	Pump Flow Rate (lpm)			Total Sample Volume (l)	PCM Results (f/cc)	Asbestos Fibers Detected	TEM Results in PCME (f/cc)
							Initial	Final	Average				
DA-314DS-AA-L01-060117	314 Depot Street - Location 1	AA	G4	8:24	15:08	404	10.58	10.26	10.42	4209.7	0.0021	0	<0.0021
DA-314DS-AA-L02-060117	314 Depot Street - Location 2	AA	G3	8:20	15:04	404	10.58	10.50	10.54	4258.2	0.00069	1*	<0.0009
DA-314DS-AA-L03-060117	314 Depot Street - Location 3	AA	G6	8:17	15:00	403	10.58	10.30	10.44	4207.3	0.0016	0	<0.00053
DA-314DS-AA-L04-060117	314 Depot Street - Location 4	AA	G5	8:35	15:11	396	10.64	10.43	10.54	4171.9	0.0013	0	<0.00065

* Analytical results for sample DA-314DS-AA-L02-060117 detected 1 chrysotile asbestos fiber. Analytical results were below the 0.001 f/cc action level.

Notes:

<: Less than

AA: Area air sampling

DA: Davidson Asbestos

DS: Depot Street

f/cc: Fibers per cubic centimeter

Id: Identification

l: Liters

lpm: Liters per minute

Min: Minutes

PCM: Phase contrast microscopy

PCME: Phase contrast microscopy equivalent

TEM: Transmission electron microscopy

APPENDIX 3
PHOTOGRAPHIC LOG
(Five Pages)



OFFICIAL PHOTOGRAPH NO. 1
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-071

Location: Davidson Asbestos

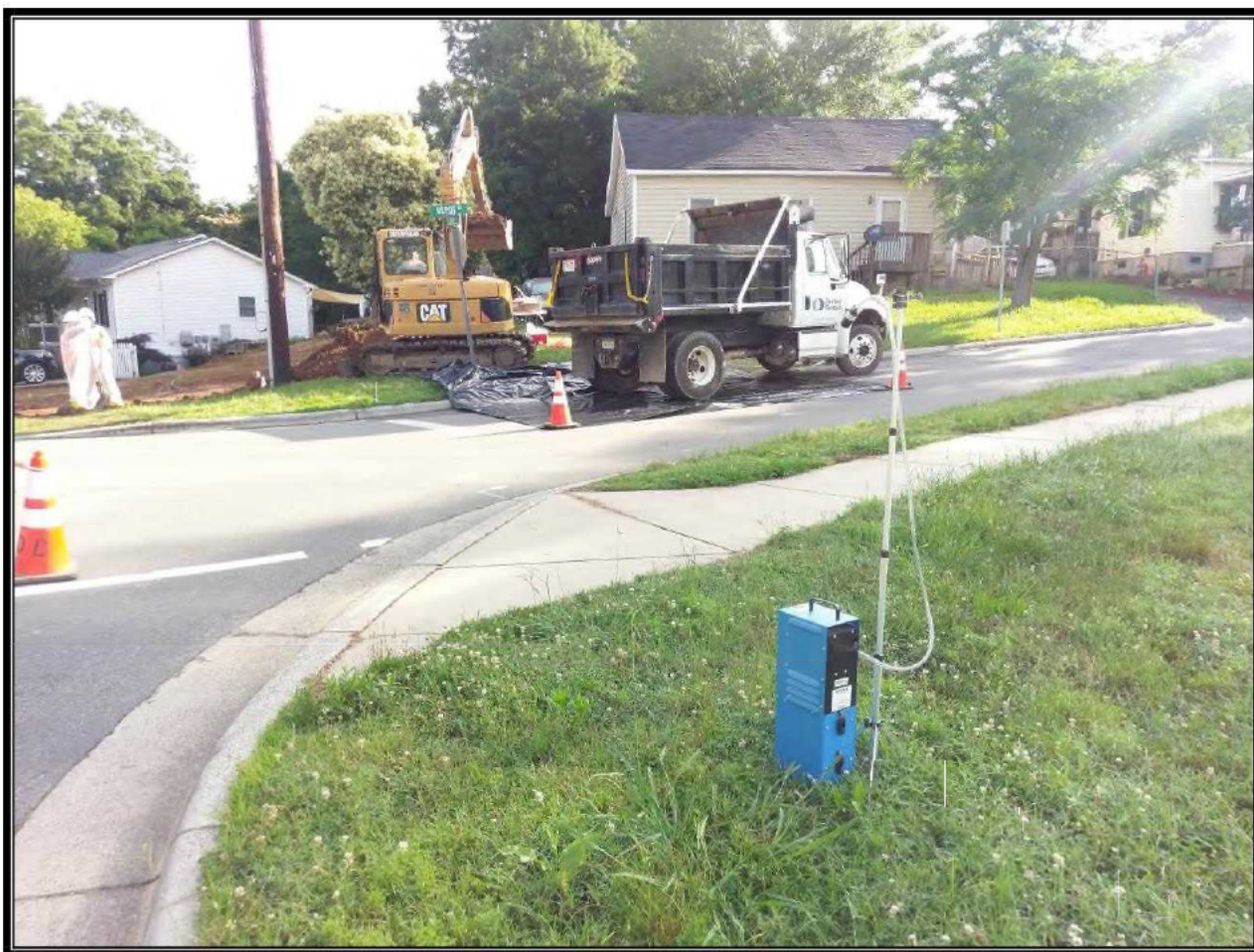
Orientation: East

Date: June 5, 2017

Photographer: Paul Prys, Tetra Tech, Inc. (Tetra Tech)

Witness: None

Subject: The Emergency and Rapid Response Services (ERRS) contractor, Environmental Restoration, LLC (ER), used an excavator and hand tools to remove asbestos-containing materials (ACM) and asbestos-contaminated soil from the property located at 302 Sloan Street. ER used hoses to wet the asbestos-contaminated soil during removal activities.



OFFICIAL PHOTOGRAPH NO. 2
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-071

Location: Davidson Asbestos

Orientation: Northeast

Date: June 5, 2017

Photographer: Paul Prys, Tetra Tech

Witness: None

Subject: Perimeter air sampling was conducted by a Tetra Tech START, State of North Carolina-accredited air monitor to evaluate the effectiveness of engineering and safety controls in preventing off-site migration of asbestos fibers during removal activities.



**OFFICIAL PHOTOGRAPH NO. 3
U.S. ENVIRONMENTAL PROTECTION AGENCY**

TDD Number: TT-01-071

Location: Davidson Asbestos

Orientation: North

Date: June 6, 2017

Photographer: Paul Prys, Tetra Tech

Witness: None

Subject: ER installed snow fencing along the subsurface of the excavated area and used dump trucks and a skid steer to install backfill after the visual inspection conducted by Tetra Tech START, State of North Carolina-accredited asbestos inspector and air monitor detected no visible ACM in the excavated area.



OFFICIAL PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number: TT-01-071

Location: Davidson Asbestos

Orientation: Northeast

Date: June 8, 2017

Photographer: Paul Prys, Tetra Tech

Witness: None

Subject: ER used dump trucks, skid steers, and rakes to install topsoil in the excavated areas.



OFFICIAL PHOTOGRAPH NO. 5
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	Location:	Davidson Asbestos
Orientation:	East	Date:	June 9, 2017
Photographer:	Paul Prys, Tetra Tech	Witness:	None
Subject:	ER installed sod in the excavated areas after backfill and topsoil were installed.		